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JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 02086041 A
(43) Date of publication of application: 27.03.1990

(51) Int. Cl H01J 61/067
H01J 61/36

(21) Application number: 63235539
(22) Date of filing: 20.09.1988

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(54) LOW-PRESSURE MERCURY VAPOR DISCHARGE LAMP

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(57) Abstract:

PURPOSE: To eliminate the difference in brightness in the anode cycle and in the cathode cycle and prevent flickering by folding middle sections of a pair of lead wires where a current flows in the anode cycle inward than the terminals of a filament.

CONSTITUTION: Base sections of lead wires 41 and 41 are folded inward then folded back after once protruded inward and returned to the normal interval of the lead wires 41 and 41 to form folded sections 44 and 44. When a current is fed, a positive column is drawn to the tube end side than to a filament by the electromagnetic action, and ultraviolet rays nearly equal to that at a glow discharge in the cathode cycle are generated also in the anode cycle. The difference in brightness is eliminated in the cathode cycle and in the anode cycle, and the flickering of brightness can be prevented.

